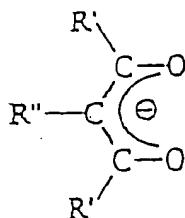


Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) An electroluminescent compound which comprises an organic complex of a metal and an organic ligand which emits light in the blue or purplish blue spectrum when an electric current is passed through it

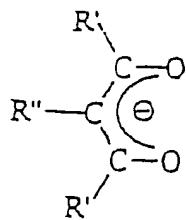
wherein the metal is selected from the group consisting of thorium (IV), yttrium (III), gadolinium (III), europium (II), terbium (III), cerium (III) and mixtures thereof and the ligand is selected from the group consisting of



where R' may be the same or different parts of the molecule and each of R'' and R' is a substituted or unsubstituted aromatic or heterocyclic ring structure or a hydrocarbyl or a fluorocarbon or R'' is fluorine or hydrogen or R'' is copolymerised with a monomer or R'' is an alkyl group optionally a -C(CH<sub>3</sub>) group;

- (ii) TMHD;
- (iii) α' α'', α''' tripyridyl;
- (iv) bathophen (4, 7-diphenyl-1, 10-phenanthroline) 10-phenanthroline
- (v) crown ethers, and
- (vi) cryptands.

2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Previously Amended) An electroluminescent compound according to claim 1 having the formula Eu(II)(TMHD)<sub>2</sub>.
7. (Previously Amended) A composition which comprises an inert polymer and from 5% to 95% by weight of an electroluminescent compound as claimed in claim 1.
8. (Previously Amended) An electroluminescent device which comprises (i) a transparent substrate (ii) an electroluminescent layer an electroluminescent compound which comprises an organic complex of a metal selected from transition metals, lanthanides and actinides and an organic ligand which electroluminescent compound emits light in the blue or purplish blue spectrum when an electric current is passed through it and in which the organic ligand has the formula



where R' may be the same or different at different parts of the molecule and each of R'' and R' is a substituted or unsubstituted aromatic or heterocyclic ring structure or a hydrocarbyl or a fluorocarbon or R'' is fluorine or hydrogen or R'' is copolymerised with a monomer is an alkyl group optionally a -C(CH<sub>3</sub>) group, or the ligand is selected from TMHD,  $\alpha'$   $\alpha''$ ,  $\alpha'''$  tripyridyl

bathophen (4, 7-diphenyl-1, 10-phenanthroline), crown ethers and cryptands comprising an electroluminescent compound deposited on the substrate and (iii) a cathode.

9. (Original) An electroluminescent device as claimed in claim 8 in which the transparent substrate comprises a conductive glass or plastic material which acts as the anode.

10. (Cancelled)

11. (Previously Amended) An electroluminescent device as claimed in claim 8 in which there is a hole transporting layer deposited on the transparent substrate and the electroluminescent material is deposited on the hole transporting layer.

12. (Previously Amended) An electroluminescent device as claimed in claim 8 in which there is a hole transporting material mixed with the electroluminescent material in a ratio of 5 to 95% of the electroluminescent material to 95 to 5% of the hole transporting compound.

13. (Previously Amended) An electroluminescent device as claimed in claim 12 in which the hole transporting material is an aromatic amine complex.

14. (Previously Amended) An electroluminescent device as claimed in claim 13 in which the hole transporting material comprises at least one selected from the group consisting of poly(vinylcarbazole), N,N'-diphenyl-N,N'-bis (3-methylphenyl)-1, -biphenyl -4,4' diamine (TPD) and polyaniline.

15. (Cancelled)

16. (Previously Amended) An electroluminescent device as claimed in claim 8 in which there is a layer of an electron injecting material between the cathode and the electroluminescent material layer.
17. (Previously Amended) An electroluminescent device as claim in claim wherein the electroluminescent layer includes an electron injecting material.
18. (Previously Amended) An electroluminescent device as claimed in claim 16 wherein the electron injecting material is a metal complex or oxadiazole or an oxadiazole derivative.
19. (Original) an electroluminescent device as claimed in claim 18 in which the electron injecting material is an aluminium quinolate or 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1,3,4 oxadiazole.
20. (Previously Amended) An electroluminescent device as claimed in claim 8 wherein the electroluminescent layer includes a dye.
21. (Original) An electroluminescent device as claimed in 20 in which the dye is a fluorescent laser dye or an electroluminescent laser dye.
22. (Cancelled)
23. (Previously Amended) An electroluminescent device as claimed in claim 8 in which the cathode includes one selected from the group consisting of aluminum, magnesium, lithium, calcium and magnesium silver alloy.

24. (Previously Amended) An electroluminescent device as claimed in claim 8 comprising a plurality of electroluminescent layers.
25. (Previously Amended) An electroluminescent device as claimed in claim 8 wherein the electroluminescent layer comprising at least two electroluminescent compounds.
26. (Previously Added) An electroluminescent device as claimed in claim 11 wherein the hole transporting layer comprises an aromatic amine complex.
27. (Previously Added) An electroluminescent device as in claim 11 wherein the hole transporting comprises at least one selected from the group consisting of poly(vinylcarbazole), N,N'diphenyl-N,N'-bis (3-methylphenyl)-1,1' -biphenyl -4,4' diamine (TPD) and polyaniline.